

CLAIMS

What is claimed is:

- 5 1. An omni directional mobility device, said device comprising a spherical means for enabling omni directional movement.
2. The omni directional mobility device according to claim 1, wherein said spherical means is a globe.
3. The omni directional mobility device according to claim 2, wherein said globe
10 is formed of a material selected from the group consisting essentially of synthetic material, metal, stainless steel, rubber, plastic, glass, ceramics, and combinations thereof.
4. The omni directional mobility device according to claim 2, wherein said globe includes a coating.
- 15 5. The omni directional mobility device according to claim 2, wherein said coating is formed of a resin.
6. The omni directional mobility device according to claim 1, said device further including a drive mechanism.
7. The omni directional mobility device according to claim 1, said device further
20 including a steering mechanism.
8. The omni directional mobility device according to claim 1, said device further including a drive mechanism and a steering mechanism.
9. The omni directional mobility device according to claim 8, further including a motor for actuating said drive mechanism.
- 25 10. The omni directional mobility device according to claim 9, wherein said motor includes reduction gears.
11. An omni directional vehicle comprising a body and at least one omni directional mobility device as set forth in claim 1.
12. The omni directional vehicle according to claim 11, wherein said spherical
30 means is a globe.
13. The omni directional vehicle according to claim 12, wherein said globe is formed of a material selected from the group consisting essentially of synthetic

material, metal, stainless steel, rubber, plastic, glass, ceramics, and combinations thereof.

14. The omni directional vehicle according to claim 12, wherein said globe includes a coating.

5 15. The omni directional vehicle according to claim 12, wherein said coating is formed of a resin.

16. The omni directional vehicle according to claim 11, said device further including a drive mechanism.

10 17. The omni directional vehicle according to claim 11, said device further including a steering mechanism.

18. The omni directional vehicle according to claim 11, said device further including a drive mechanism and a steering mechanism.

19. The omni directional vehicle according to claim 18, further including a motor for operating said drive mechanism.

15 20. The omni directional vehicle according to claim 11 selected from the group consisting essentially of motor operated vehicles, bicycles, wheelchairs, recreational vehicles, forklifts, electrical transportation units, automobiles, carts, wheelchairs, chairs, and trailers.

20 21. A wheelchair comprising a body and at least one omni directional mobility device as set forth in claim 1.

22. A forklift comprising a body and at least one omni directional mobility device as set forth in claim 1.

23. An automobile comprising a body and at least one omni directional mobility device as set forth in claim 1.

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